

식물유래추출물 & 엑소좀

Plant Callus Extract & Exosome

CICA



Experience the power of "CICA" for youthful, radiant skin

- It helps delay premature skin aging and promotes a youthful, resilient complexion.
- It helps soothe skin irritation and care for sensitive skin.
- It supports the calming of irritated skin through anti-inflammatory effects.
- It helps maintain healthy hair and scalp by preventing irritation-related hair loss.

- Scientific name : Centella Asiatica
- Export information : Available for export to China and Japan
- Package Size : 1kg

KEY POINT

Whitening # Anti-inflammation # Cell regeneration #Moisturizing #Anti-aging #Prevention of hair loss



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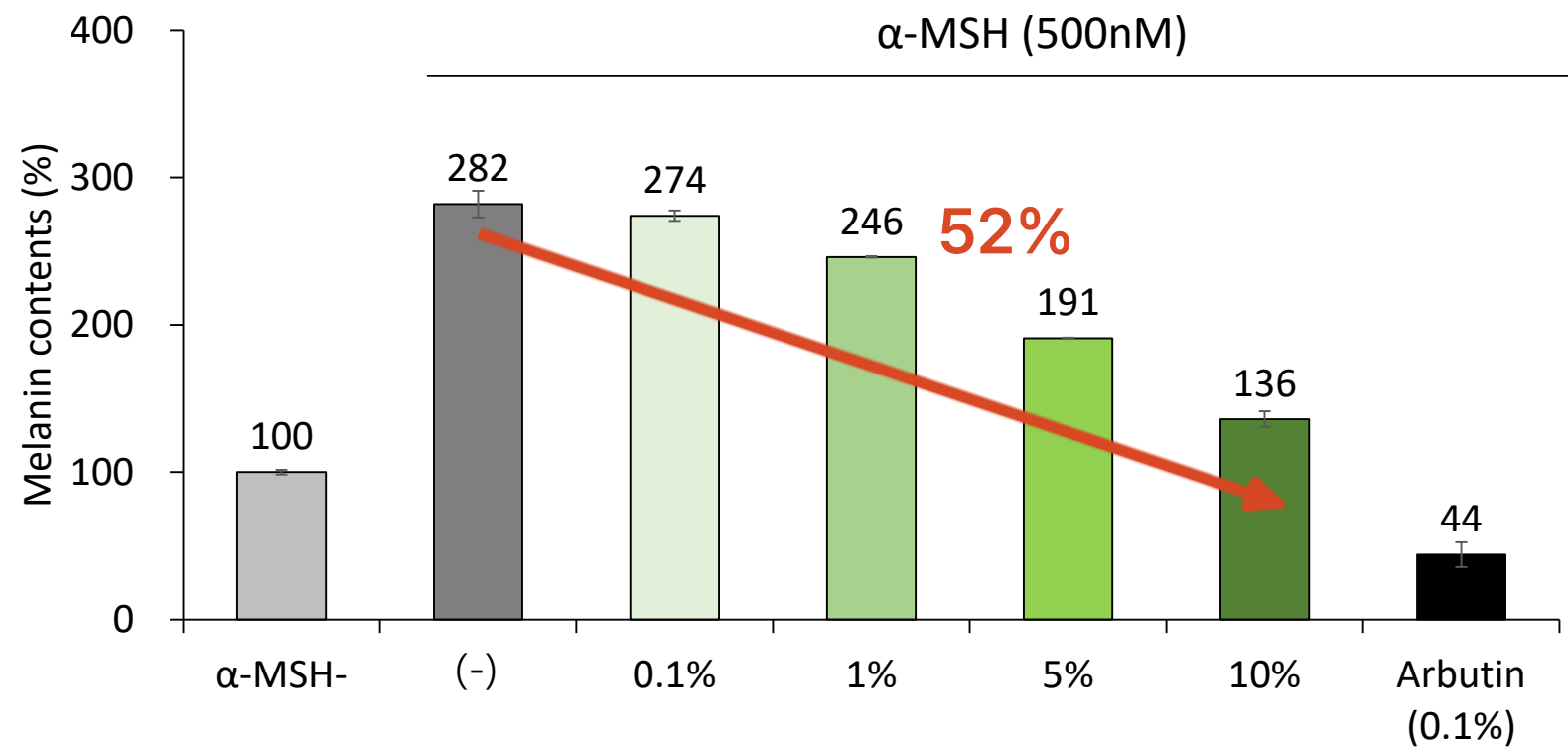
INCI : Centella Asiatica Callus Extract

Cellular efficacy of CICA Extract

- Whitening, Hair loss prevention, Anti-inflammation, Anti-aging -

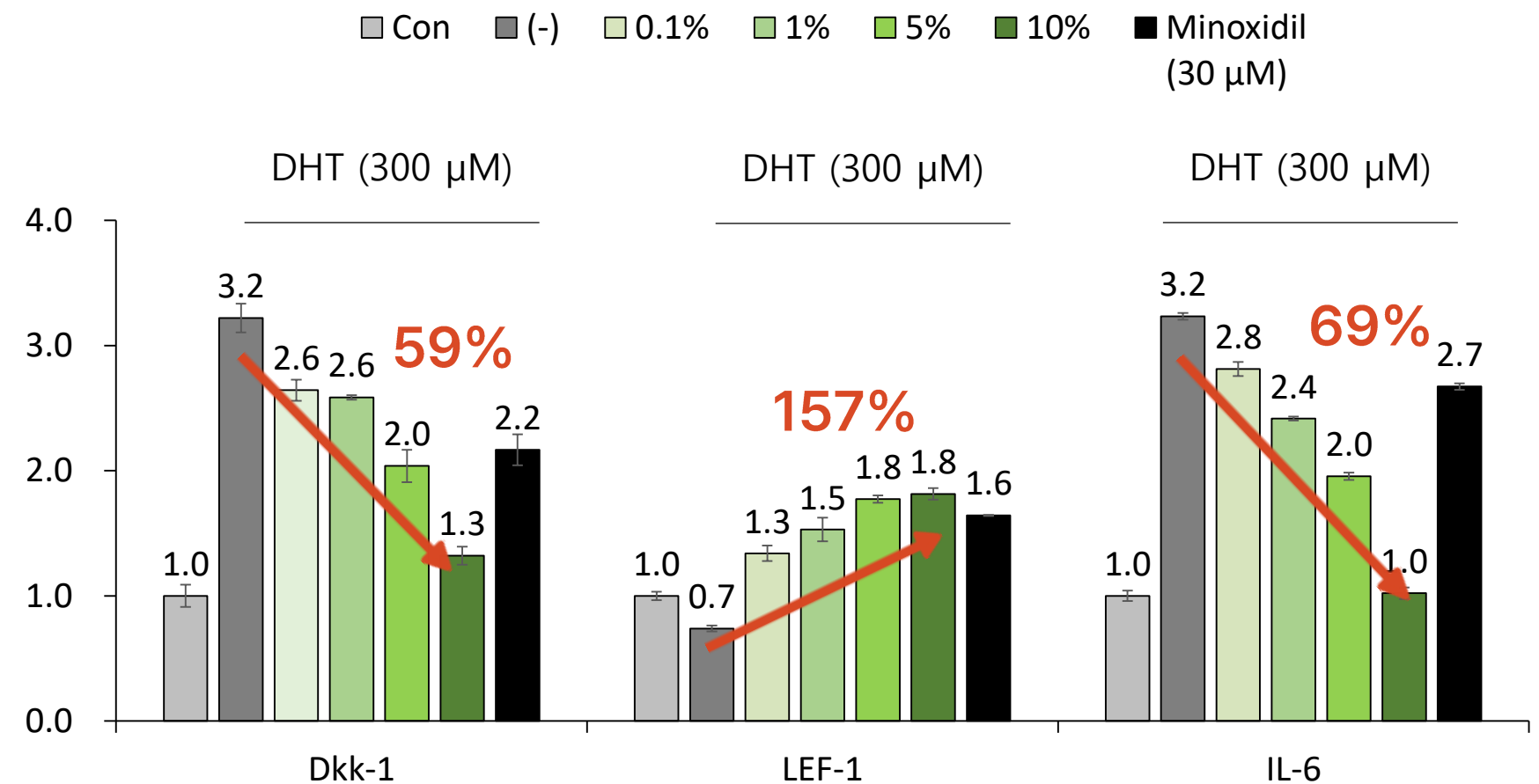
Whitening

CICA extract reduces the synthesis of melanin, the main cause of pigmentation, by 52%, making the skin bright and clean.



Hair loss prevention

CICA extract decreases the gene expression of inflammatory response in hair (Dkk-1, IL-6) by up to 69% and increases the gene expression of hair loss prevention (LEF-1) by up to 157%. protecting hair and scalp health.



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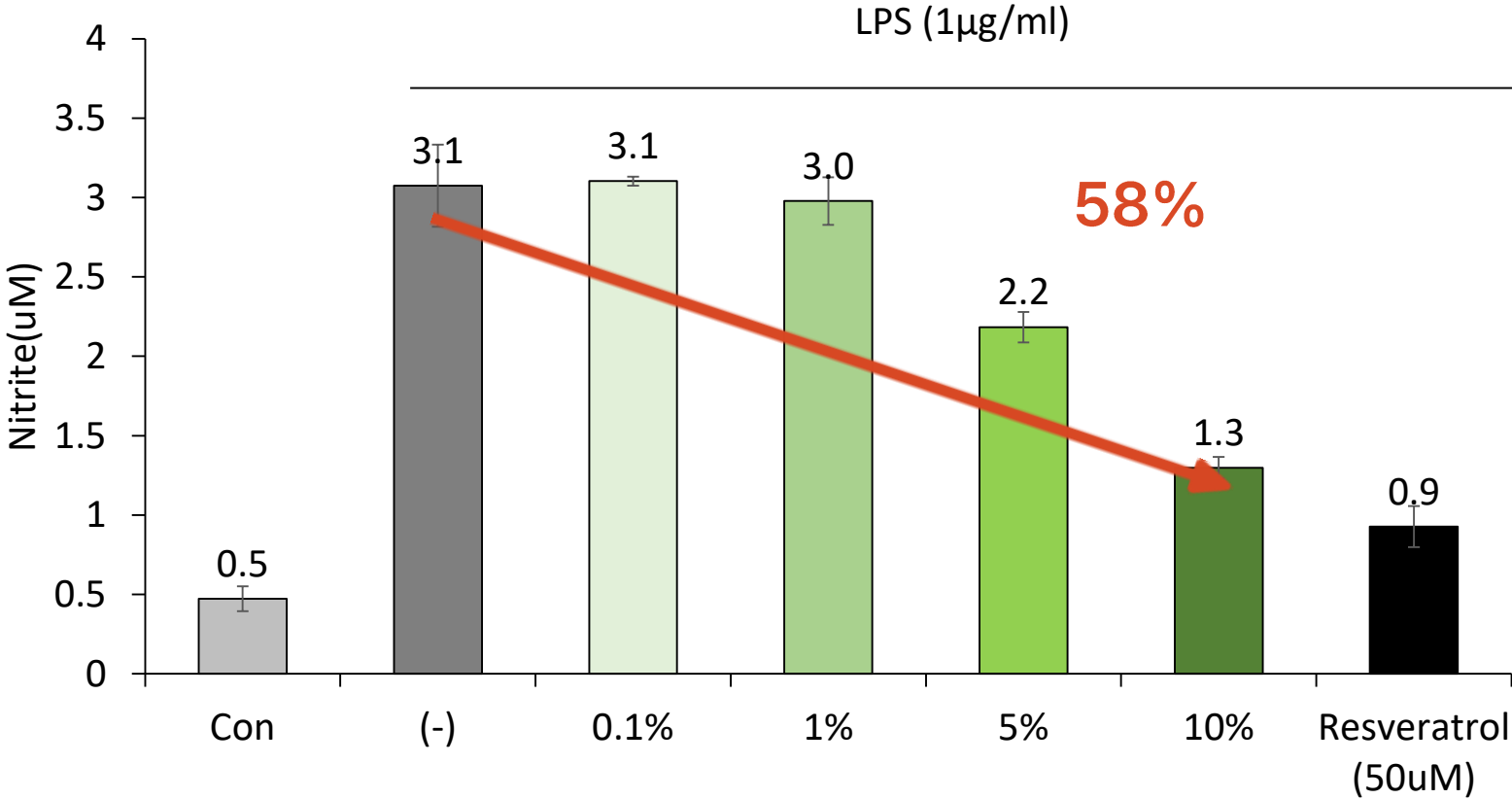
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Cellular efficacy of CICA Extract

- Whitening, Hair loss prevention, Anti-inflammation, Anti-aging -

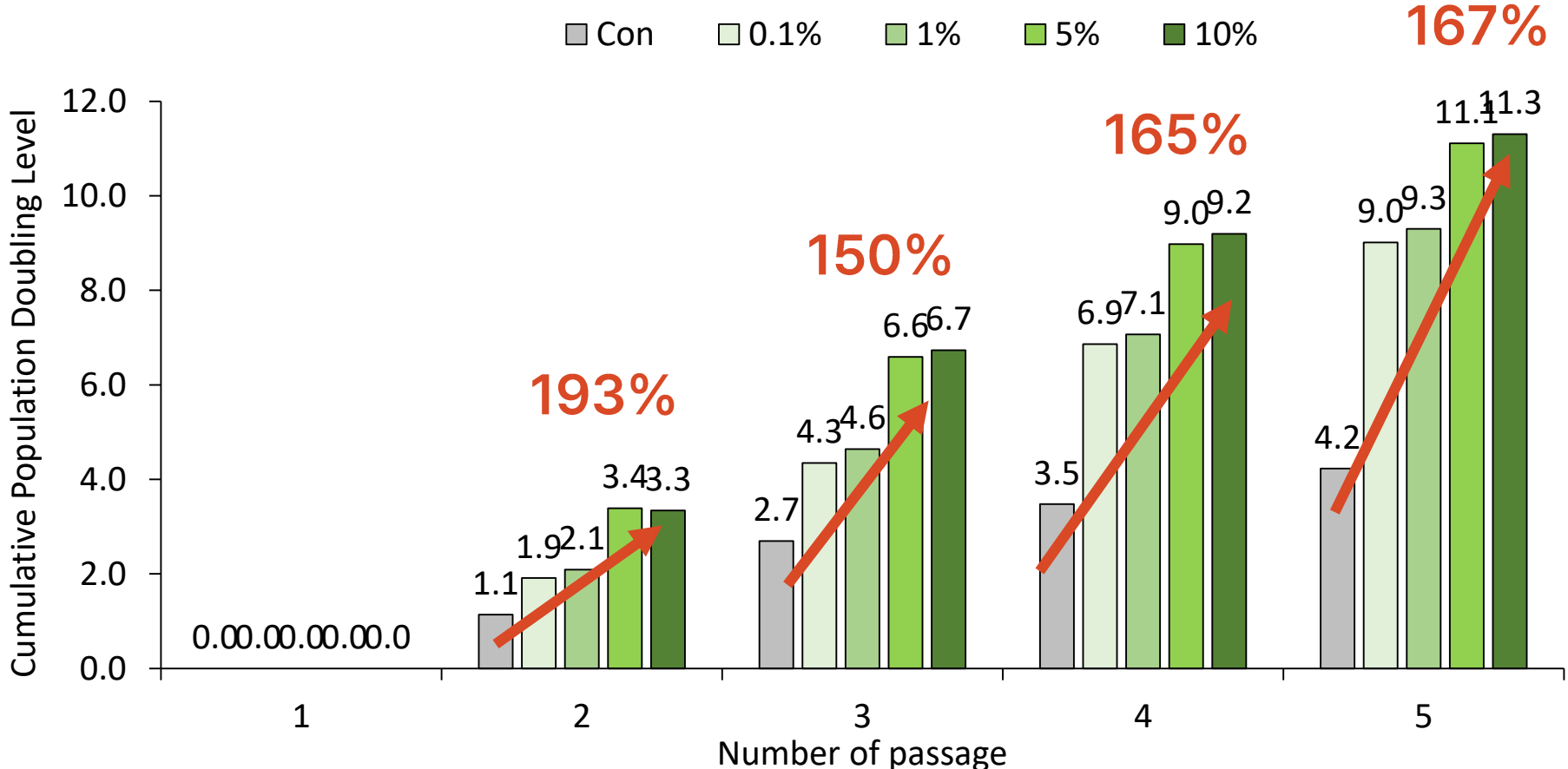
■ Anti-inflammation

CICA extract reduces the Nitric oxide (NO) in macrophage (Raw 264.7) related to inflammatory response, by up to 58%



■ Anti-aging

CICA extract increases the cumulative population doubling level of human dermal fibroblasts, thereby depressing skin aging.

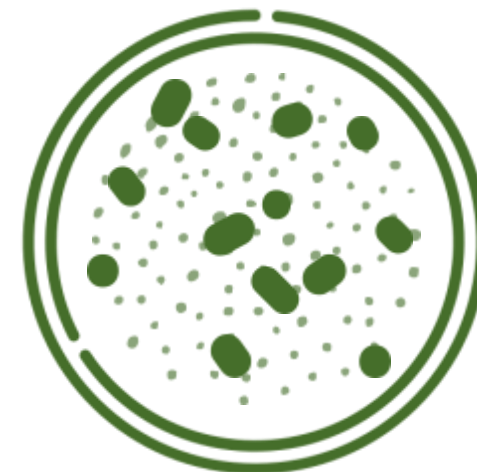


DASAN C&Tech's upgraded natural origin and skin-friendly technology

"Plant-derived Exosome"

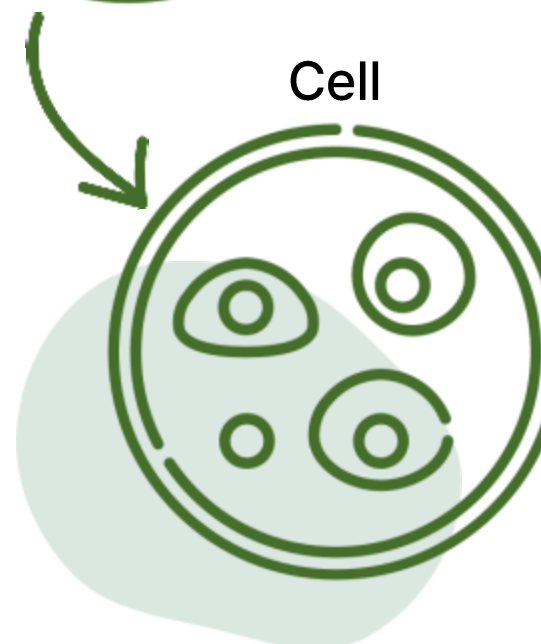
Reasons for using plant-derived exosomes

Plant-derived exosome



■ Raw materials with intact nutritional content

Unlike existing plant extracts that are extracted by applying heat, exosomes are made by processing the raw material as is, so the various nutrients are preserved without being destroyed and work on the skin.



Cell

■ Increased absorption as a skin-friendly raw materials

Unlike traditional raw materials that struggle to pass through cell membranes and act on them, exosomes have a phospholipid bilayer structure similar to cell membranes, enhancing their penetration and absorption capabilities.

DASAN C&Tech's upgraded natural origin and skin-friendly technology

"CICA Exosome"

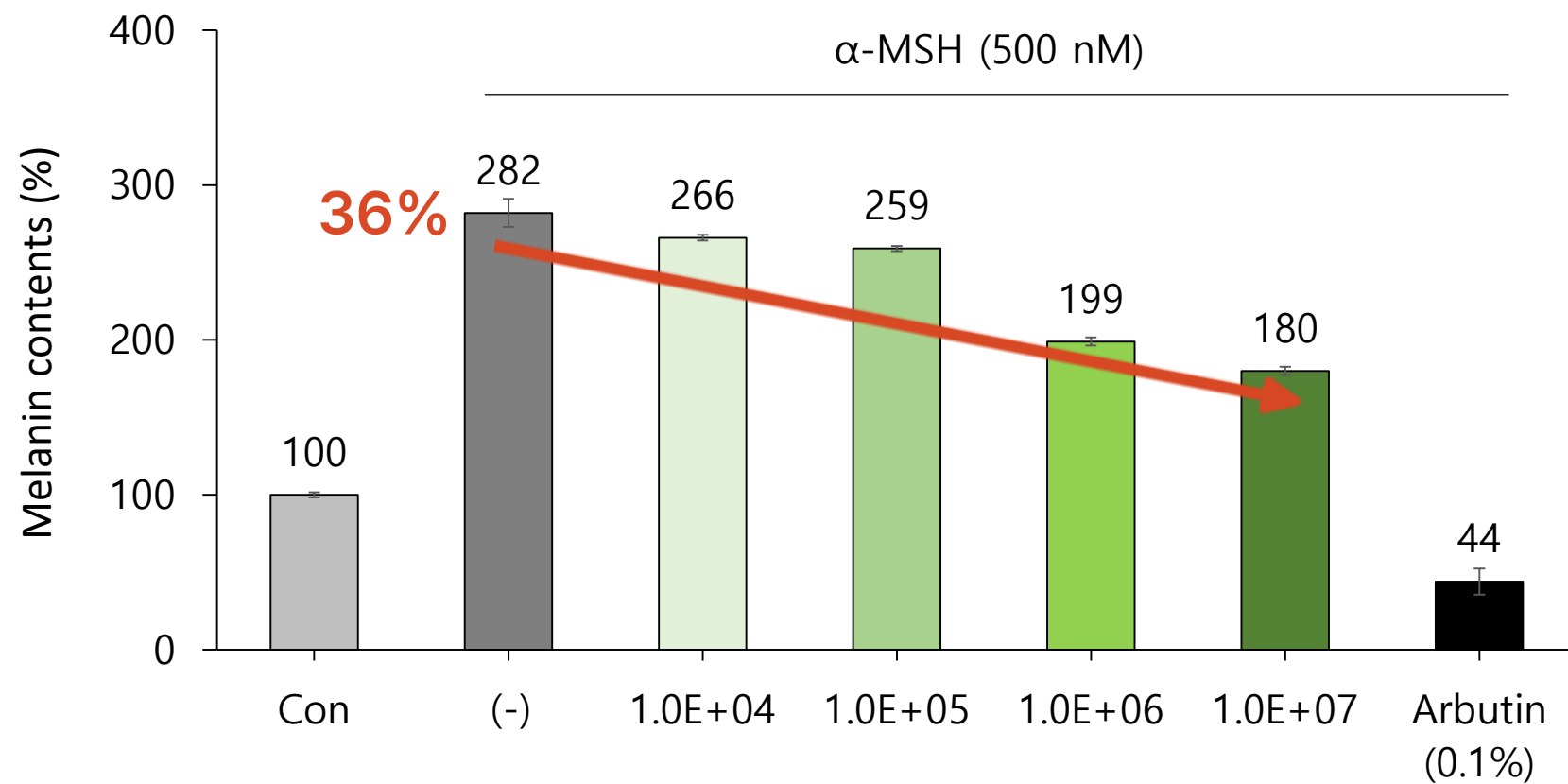
INCI : Centella Asiatica Callus Extracellular Vesicles

Cellular efficacy of CICA exosome

- Whitening, Hair loss prevention, Anti-inflammation, Cell regeneration, Anti-aging, Moisturizing -

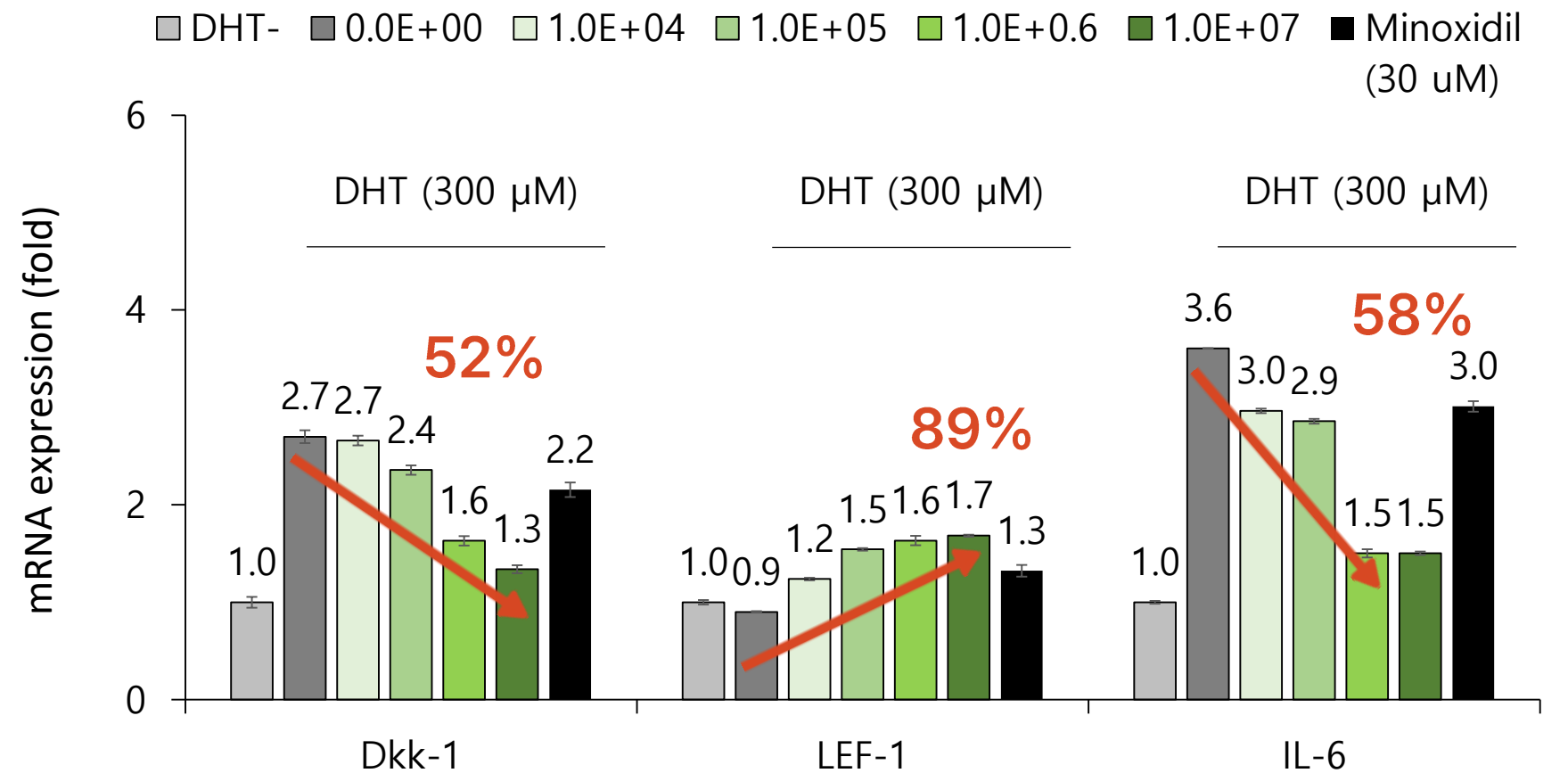
Whitening

CICA exosomes reduces the synthesis of melanin, the main cause of pigmentation, by 36%, making the skin bright and clean.



hair loss prevention

CICA exosomes decrease the gene expression of inflammatory response in hair (Dkk-1, IL-6) by up to 58% and increase the gene expression of hair loss prevention (LEF-1) by up to 89%. protecting hair and scalp health.



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"CICA Exosome"

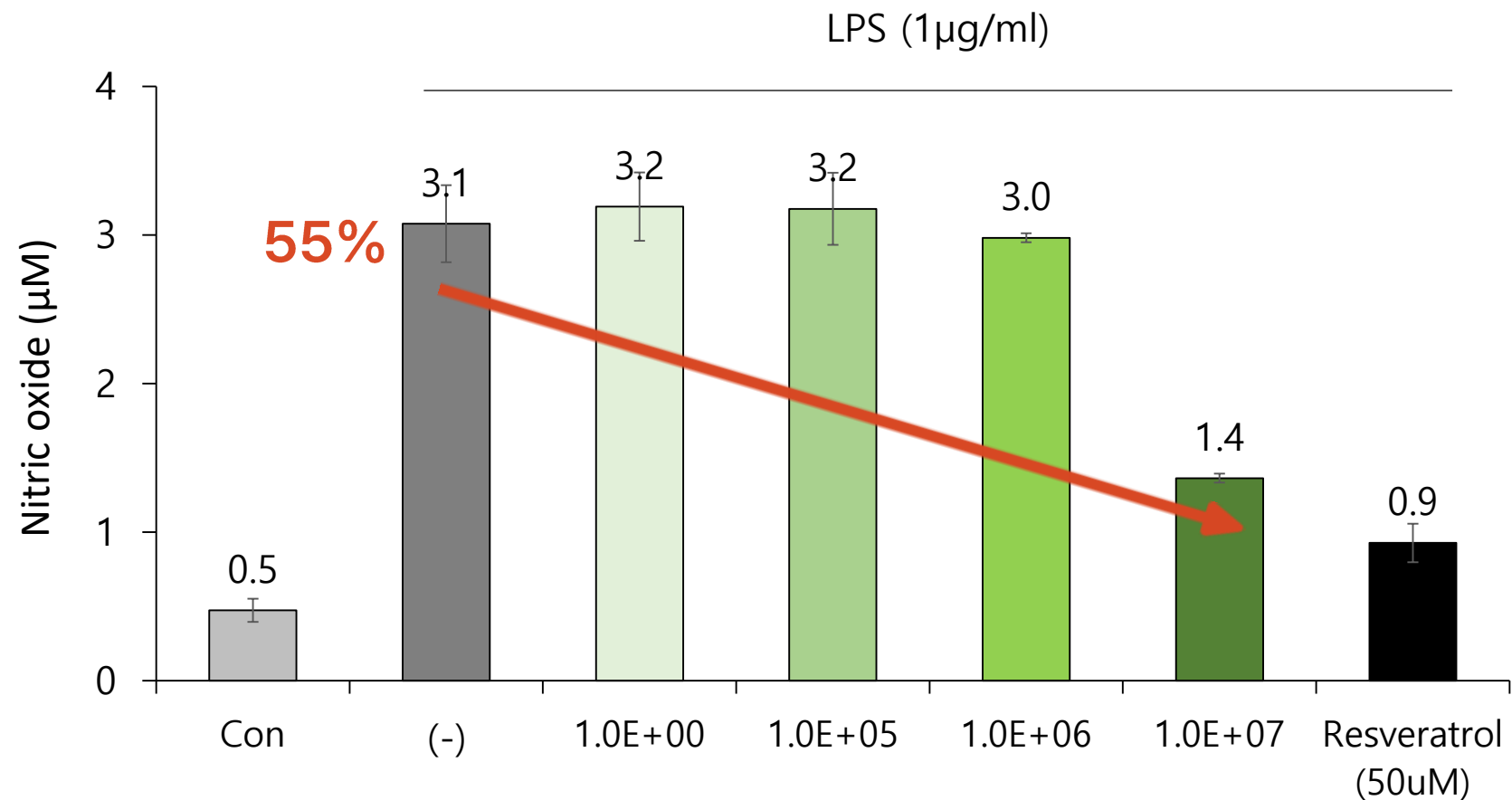
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Cellular efficacy of CICA exosome

- Whitening, Hair loss prevention, Anti-inflammation, Cell regeneration, Anti-aging, Moisturizing -

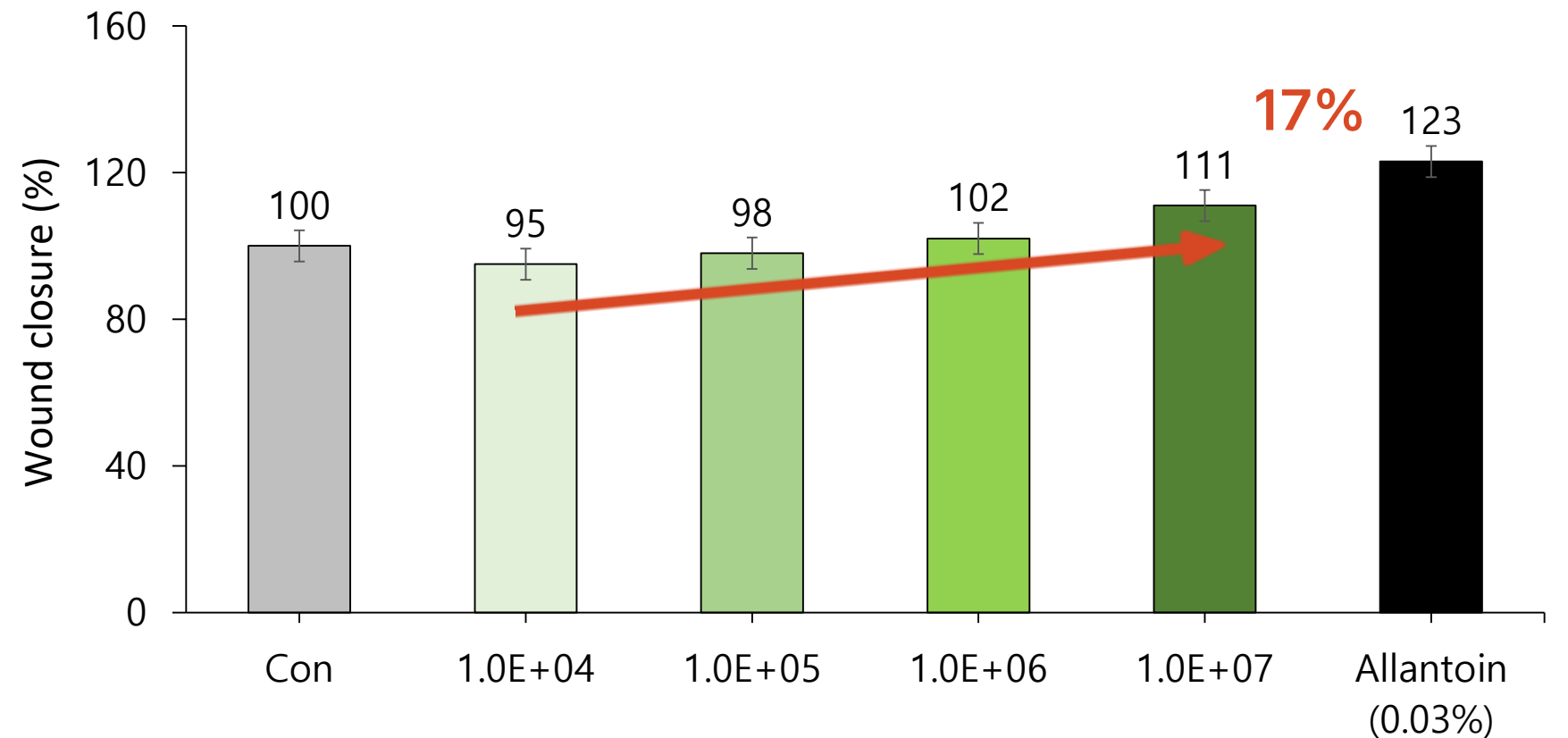
■ Anti-inflammation

CICA exosomes reduces the Nitric oxide (NO) in macrophage (Raw 264.7) related to inflammatory response, by up to 55%



■ Cell regeneration

Treatment of wounded cells with CICA exosomes increased wound recovery by 17%.



DASAN C&Tech's upgraded natural origin and skin-friendly technology

"CICA Exsome"

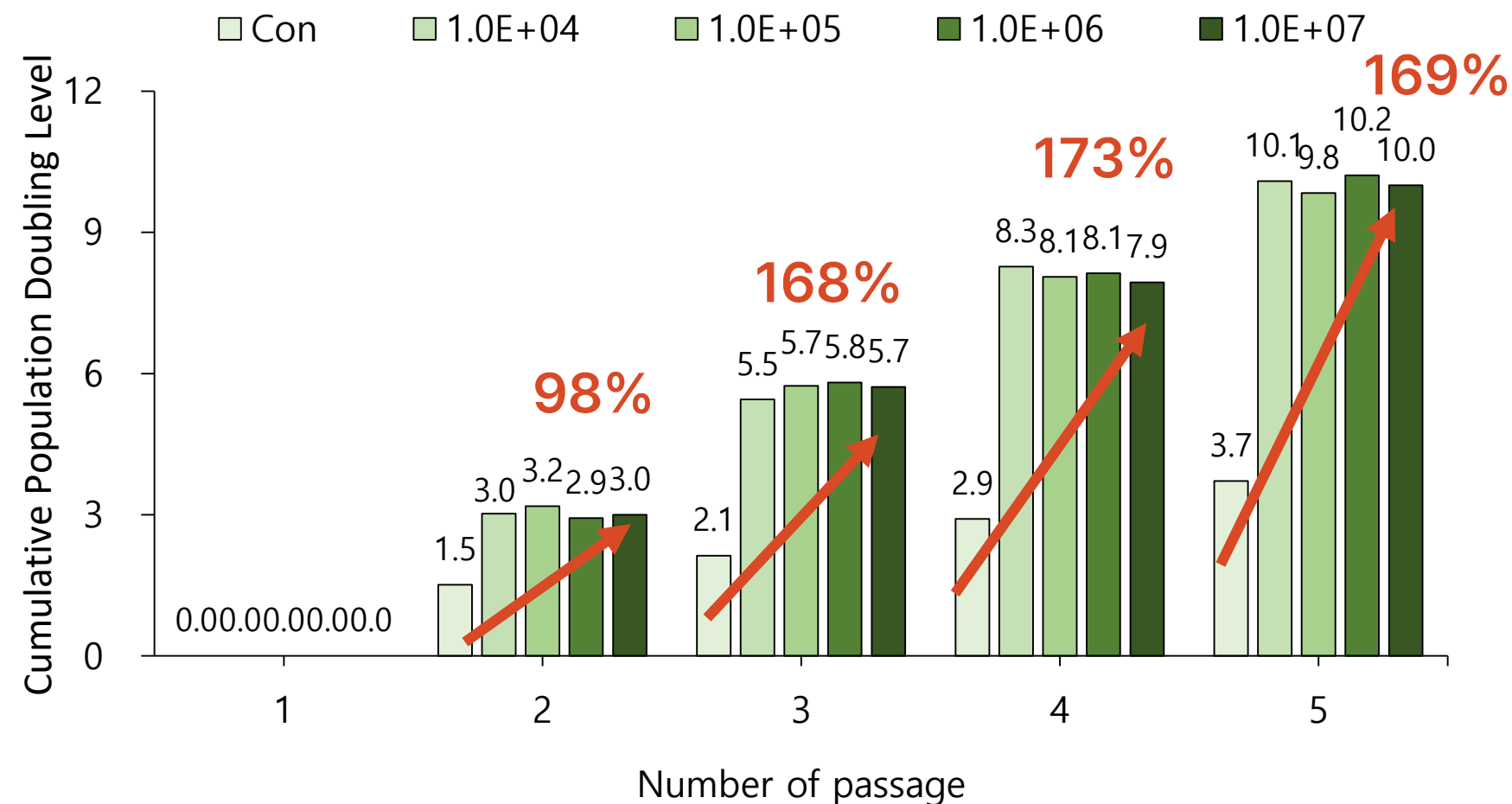
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Cellular efficacy of CICA exosome

- Whitening, Hair loss prevention, Anti-inflammation, Cell regeneration, Anti-aging, Moisturizing -

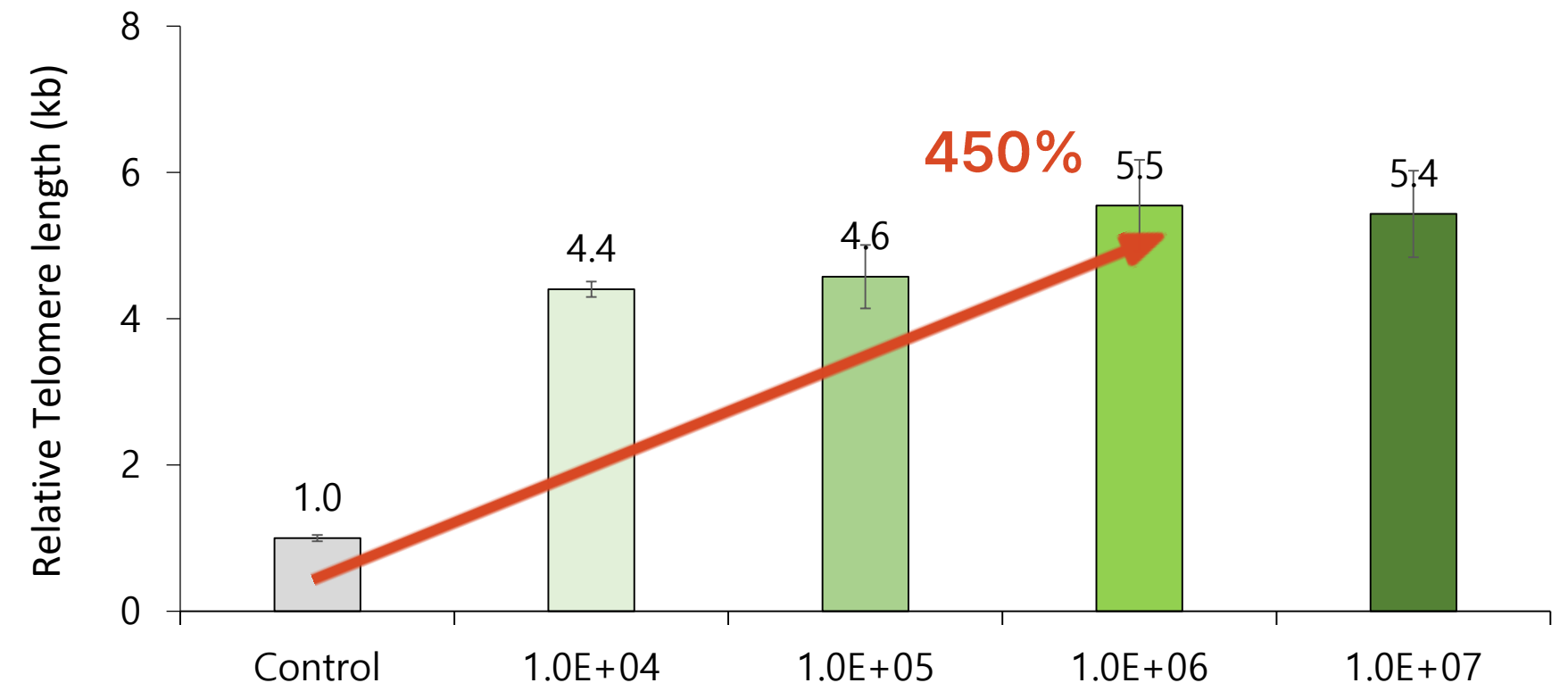
■ Anti-aging

CICA exosomes increases the cumulative population doubling level of human dermal fibroblasts, thereby depressing skin aging.



■ Preventing mature aging

CICA exosomes prevent telomere shortening in human dermal fibroblasts by up to 450%, thereby delaying premature skin aging.

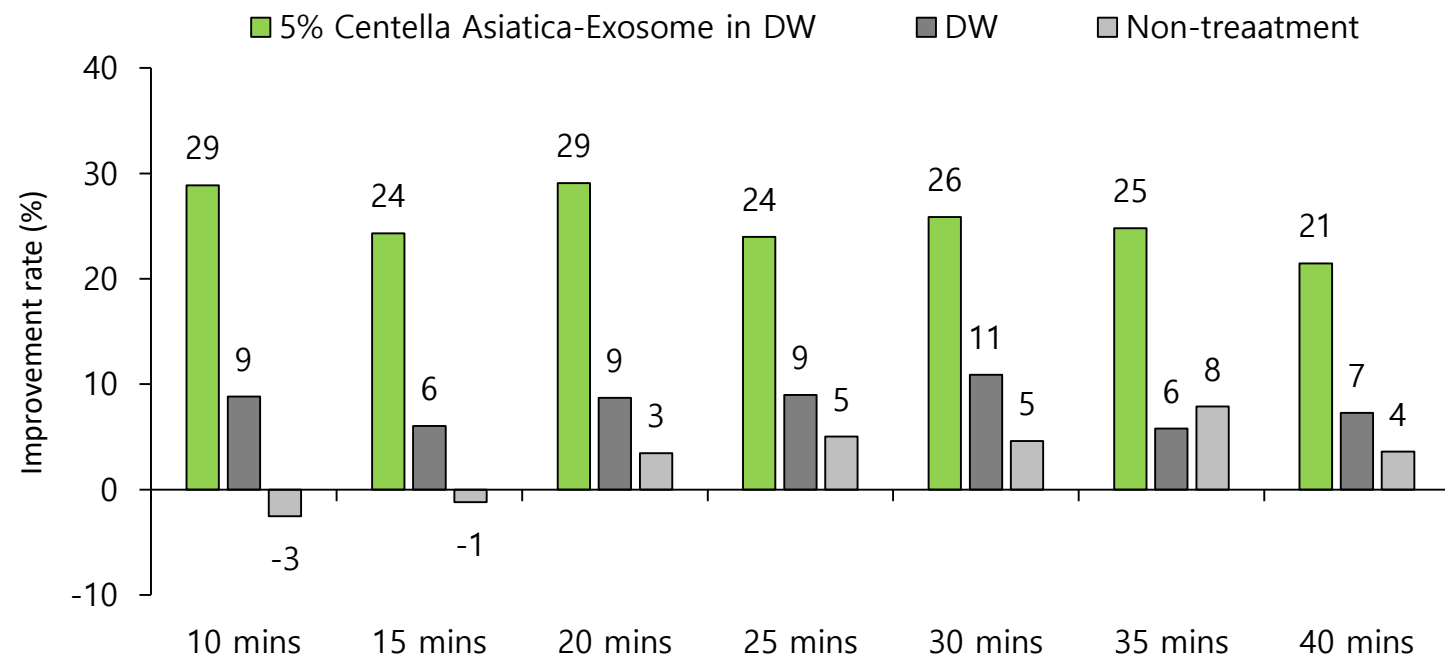


DASAN C&Tech's upgraded natural origin and skin-friendly technology

"CICA Exsome"

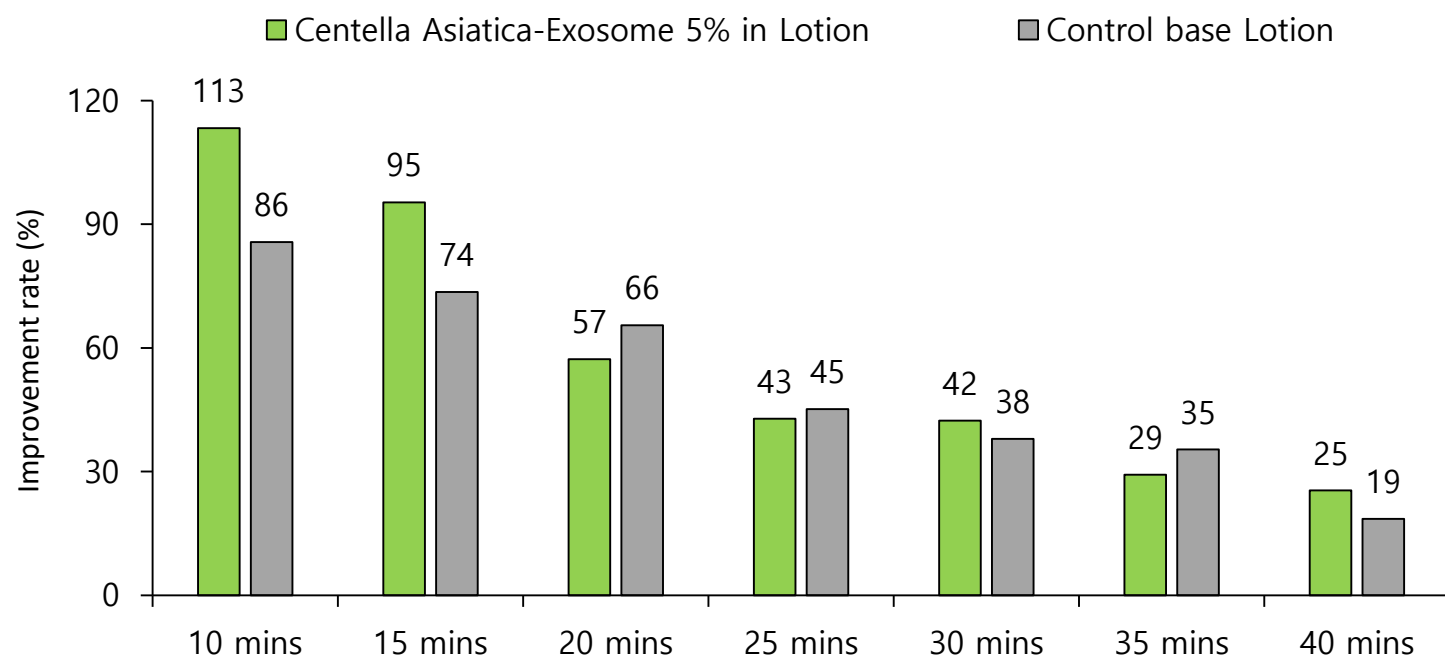
Improved skin hydration after a single use

*CICA Callus Exosome 5% in distilled water



After applying distilled water, skin hydration temporarily increases at 10 minutes, but the effect is small and quickly declines. In contrast, **applying 5% CICA exosomes increases hydration more significantly at 10 minutes**, and maintains a higher hydration level than the initial state over time.

*CICA Callus Exosome 5% in Lotion



After applying a regular lotion, skin hydration temporarily increases at 10 minutes, but the effect is small and rapidly declines. In contrast, **applying a lotion containing 5% CICA exosomes significantly boosts hydration at 10 minutes** and maintains higher hydration levels than the initial state over time.

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CONTACT US

